

Amendments to the Claims:

1. (Currently Amended) A light emitting device, comprising:
a nitride compound, for providing at least one of blue and ultraviolet emission;
an epoxy, embedded with a phosphor, mounted to the nitride compound,
wherein at least a portion of the emission is initially absorbed by the phosphor; and
a frame including a roughened surface ~~having a roughened portion~~ contacting
the epoxy, the roughened surface includes at least one of ridges, grooves, and dimples to
increase an area of the surface contacting the epoxy to facilitate a redirection of an unabsorbed
emission backward onto the phosphor.

2. (Original) The light emitting device as set forth in claim 1, wherein the compound includes one of binary compound materials, ternary compound materials, and quaternary compound materials.

3. (Original) The light emitting device as set forth in claim 2, wherein the nitride compound is one of a group II through group VI-nitride compound.

4. (Original) The light emitting device as set forth in claim 3, wherein the nitride compound is a group III-nitride including GaN.

5. (Original) The light emitting device as set forth in claim 1, further including:
a substrate, the nitride compound and the epoxy being mounted to the substrate.

6. (Original) The light emitting device as set forth in claim 5, wherein the substrate includes sapphire.

7. (Currently Amended) A light emitting device comprising:
a nitride compound, for providing at least one of blue and ultraviolet emission;
an epoxy, embedded with a phosphor, mounted to the nitride compound; and
a frame including an uneven portion that is a designed surface.

8. (Original) The light emitting device as set forth in claim 1, wherein the phosphor converts the at least one of the blue and the ultraviolet emission from the nitride compound to a visible light, which is emitted from the frame.

9. (Currently Amended) A light emitting device comprising:
a nitride compound, for providing at least one of blue and ultraviolet emission;
an epoxy, embedded with a phosphor, mounted to the nitride compound; and
a frame including a surface having an uneven portion contacting the epoxy and
a smooth portion, substantially none of the phosphor embedded epoxy contacting the smooth
portion, and

a substrate including:

a first surface, the nitride compound being mounted to the first
surface, and

a second surface, opposing the first surface, the epoxy being
mounted to the second surface to substantially cover the second
surface.

10. (Currently Amended) A system for converting light from a first range of wavelengths to a second range of wavelengths, comprising:

a semiconductor;
a phosphor embedded epoxy contacting a first end of the semiconductor, the
phosphor converting at least a portion of the first wavelengths into the second wavelengths;
and

a frame contacting the phosphor embedded epoxy, the frame including a surface
portion contoured to increase a surface area in contact with the phosphor embedded epoxy, the
contoured surface portion including structures arranged to cooperate with the epoxy to redirect
unconverted first wavelengths backward into the phosphor.

11. (Original) The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein:

the first range of wavelengths includes blue/ultraviolet light; and
the second range of wavelengths includes visible light.

12. (Original) The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein:

the first range of wavelengths is greater than about 10 nanometers and less than about 500 nanometers; and

the second range of wavelengths is greater than about 400 nanometers and less than about 800 nanometers.

13. (Original) The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein the semiconductor includes:

a substrate;

a nitride compound, for providing at least one of blue and ultraviolet emission, mounted on a first end of the substrate, the phosphor embedded epoxy being mounted on a second end of the substrate.

14. (Original) The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 13, wherein the nitride compound includes one of binary compound materials, ternary compound materials, and quaternary compound materials.

15. (Original) The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 13, wherein the substrate is sapphire.

16-21. (Canceled)

22. (Previously Presented) The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein the contoured surface portion includes at least one of ridges, grooves, and dimples.

23. (New) A light emitting device, comprising:
a light emitting diode for providing at least one of blue and ultraviolet emission;
a frame including a roughened surface; and
a phosphor containing epoxy disposed between said light emitting diode and said frame and securing the light emitting diode to the roughened surface of the frame.